

Title (en)

LITHOGRAPHIC PRINTING ORIGINAL PLATE AND PLATE MAKING METHOD

Title (de)

ORIGINALFLACHDRUCKPLATTE UND PLATTENHERSTELLUNGSVERFAHREN

Title (fr)

PLAQUE ORIGINALE D'IMPRESSION LITHOGRAPHIQUE ET PROCÉDÉ DE FABRICATION DE PLAQUE

Publication

**EP 2905144 A4 20160810 (EN)**

Application

**EP 13841168 A 20130830**

Priority

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Abstract (en)

[origin: EP2905144A1] Provided is a lithographic printing original plate which is characterized by being obtained by forming, on a supporting body, an image recording layer that contains (A) an infrared absorbent, (B) a sulfonium salt, (C) a polymerizable compound and (D) a binder polymer. This lithographic printing original plate is also characterized in that: the sulfonium salt (B) has a triarylsulfonium structure that has three or more electron-withdrawing groups as substituents; and at least one aryl group constituting the triarylsulfonium structure comprises at least one of the electron-withdrawing groups and at least one group that is selected from the group consisting of hydrocarbon groups having 4-12 carbon atoms, groups wherein a hydrocarbon group having 4-12 carbon atoms is bonded with an oxygen atom or a sulfur atom, and ethylene oxide groups having 1-3 repeating units. Consequently, this lithographic printing original plate enables direct recording from digital data of a computer or the like, has high sensitivity, and is capable of forming a high-quality image by suppressing the progression of an undesired curing reaction in a non-image portion. This lithographic printing original plate is capable of providing a lithographic printing plate that has high printing durability. Also provided is a plate making method which uses this lithographic printing original plate.

IPC 8 full level

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Citation (search report)

- [A] EP 1431032 A1 20040623 - FUJI PHOTO FILM CO LTD [JP]
- See references of WO 2014050435A1

Cited by

BE1026164B1; EP3865473A4; US11820735B2; US11746085B2

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